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FIG. 1A

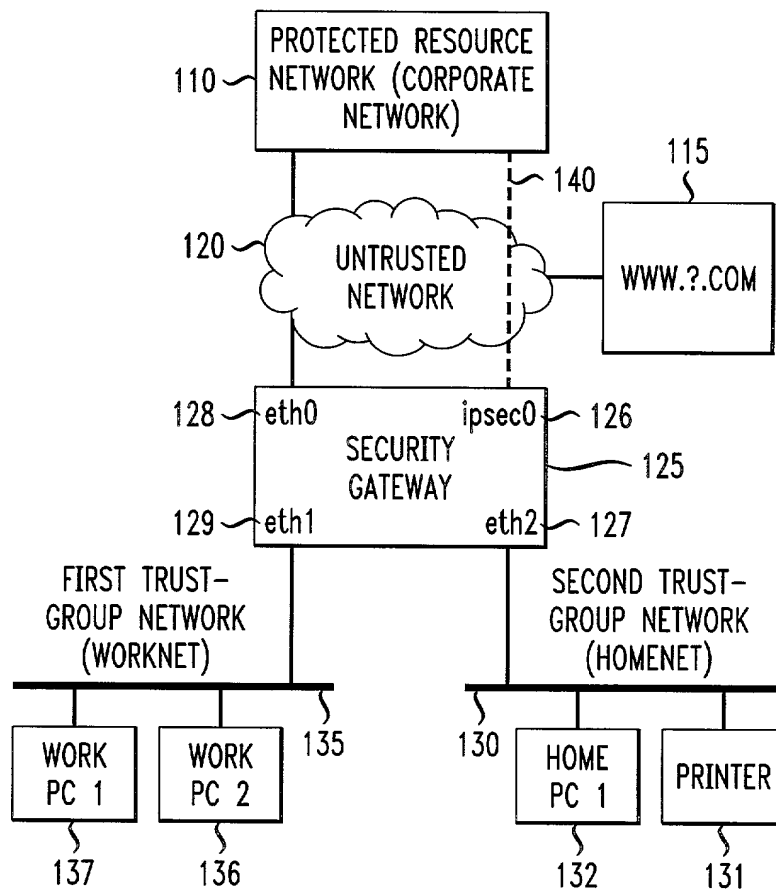
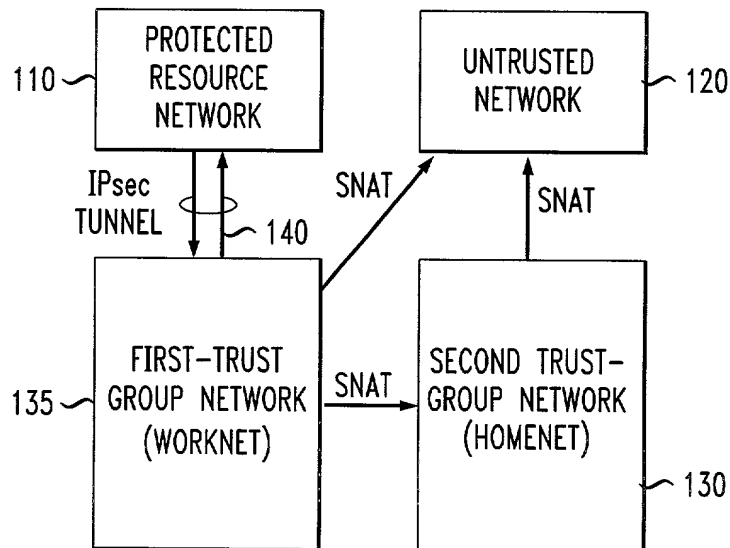


FIG. 1B



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FIG. 1C

worknet/homenet

160

Chain PREROUTING (policy DROP 0 packets, 0 bytes)

| pkts | bytes | target | prot | opt | in     | out | source             | destination       |                |
|------|-------|--------|------|-----|--------|-----|--------------------|-------------------|----------------|
| 170  | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 25   |
|      | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 25   |
|      | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 53   |
|      | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 53   |
|      | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 6010 |
|      | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 6010 |
|      | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | udp dpt : 53   |
|      | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | udp dpt : 53   |
|      | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | udp dpt : 1025 |
|      | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | udp dpt : 1025 |
| 171  | ~0    | ACCEPT | all  | --  | lo     | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
|      | 0     | DROP   | all  | --  | eth1   | *   | !135.207.12.200/29 | 0.0.0.0/0         |                |
| 172  | 0     | DROP   | all  | --  | eth1   | *   | 0.0.0.0/0          | 10.128.0.2        |                |
|      | 0     | ACCEPT | all  | --  | eth1   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
|      | 0     | DROP   | all  | --  | eth2   | *   | !10.0.0.0/9        | 0.0.0.0/0         |                |
| 173  | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 10.128.0.2        |                |
|      | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 135.207.12.200/29 |                |
|      | 0     | ACCEPT | all  | --  | eth2   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 174  | 0     | ACCEPT | all  | --  | ipsec0 | *   | 135.0.0.0/8        | 135.207.12.200/29 |                |
|      | 0     | DROP   | all  | --  | ipsec0 | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 175  | 0     | DROP   | all  | --  | eth0   | *   | 0.0.0.0/0          | !10.128.0.2       |                |
|      | 0     | ACCEPT | all  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 176  | ~0    | DROP   | all  | --  | *      | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |

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*FIG. 1D*180

worknet/homenet

```

----- Routing rules:
181 { 0:    from all lookup local
      500: from all iif eth1 lookup from.work.ifc
      500: from all iif lo lookup from.this.host
      32766: from all lookup main
      32767: from all lookup default
----- Main routing table (main) :
182 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth2  scope link  src 10.0.0.1
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
183 { blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
184 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201

```

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FIG. 1E

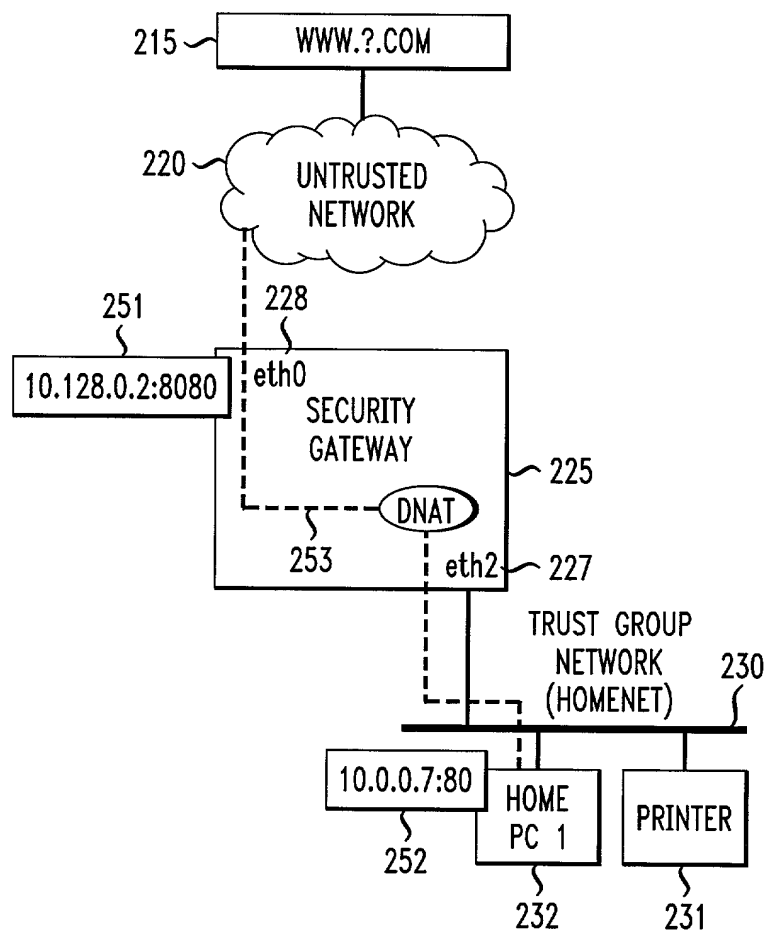
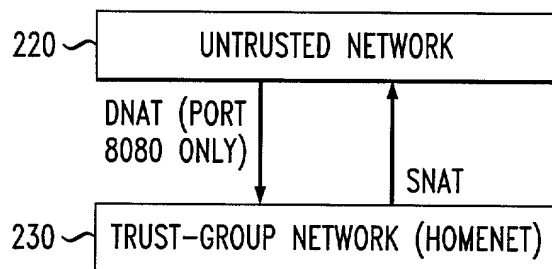
190

worknet/homenet

Chain PREROUTING (policy ACCEPT 0 packets, 0 bytes)

|     | pkts | bytes | target | prot | opt | in | out  | source    | destination   |
|-----|------|-------|--------|------|-----|----|------|-----------|---------------|
| 191 | 0    | 0     | SNAT   | all  | --  | *  | eth0 | 0.0.0.0/0 | to:10.128.0.2 |
| 192 | 0    | 0     | SNAT   | all  | --  | *  | eth2 | 0.0.0.0/0 | to:10.0.0.1   |

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*FIG. 2A**FIG. 2B*

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FIG. 2C

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homenet/web-server (without worknet)

Chain PREROUTING (policy DROP 0 packets, 0 bytes)

| pkts  | bytes          | target | prot | opt | in   | out | source      | destination |                |
|-------|----------------|--------|------|-----|------|-----|-------------|-------------|----------------|
| 270 { | 0              | DROP   | tcp  | --  | eth0 | *   | 0.0.0.0/0   | 0.0.0.0/0   | tcp dpt : 25   |
|       | 0              | DROP   | tcp  | --  | eth0 | *   | 0.0.0.0/0   | 0.0.0.0/0   | tcp dpt : 53   |
|       | 0              | DROP   | tcp  | --  | eth0 | *   | 0.0.0.0/0   | 0.0.0.0/0   | tcp dpt : 6010 |
|       | 0              | DROP   | udp  | --  | eth0 | *   | 0.0.0.0/0   | 0.0.0.0/0   | udp dpt : 53   |
|       | 0              | DROP   | udp  | --  | eth0 | *   | 0.0.0.0/0   | 0.0.0.0/0   | udp dpt : 1025 |
| 271 ~ | 0              | ACCEPT | all  | --  | lo   | *   | 0.0.0.0/0   | 0.0.0.0/0   |                |
| 272 { | 0              | DROP   | all  | --  | eth2 | *   | !10.0.0.0/9 | 0.0.0.0/0   |                |
|       | 0              | DROP   | all  | --  | eth2 | *   | 0.0.0.0/0   | 10.128.0.2  |                |
|       | 0              | ACCEPT | all  | --  | eth2 | *   | 0.0.0.0/0   | 0.0.0.0/0   |                |
|       | 0              | DROP   | all  | --  | eth0 | *   | 0.0.0.0/0   | !10.128.0.2 |                |
| 273 { | 0              | DNAT   | tcp  | --  | eth0 | *   | 0.0.0.0/0   | 0.0.0.0/0   | tcp dpt : 8080 |
|       | to:10.0.0.7:80 |        |      |     |      |     |             |             |                |
| 274 ~ | 0              | ACCEPT | all  | --  | eth0 | *   | 0.0.0.0/0   | 0.0.0.0/0   |                |
|       | 0              | DROP   | all  | --  | *    | *   | 0.0.0.0/0   | 0.0.0.0/0   |                |

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*FIG. 2D*280

homenet/web-server (without worknet)

```
----- Routing rules:
281 { 0:    from all lookup local
      32766:  from all lookup main
      32767:  from all lookup default
----- Main routing table (main) :
282 { 10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth2  scope link src 10.0.0.1
      127.0.0.0/8 dev lo   scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
```

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FIG. 2E

290

homenet/web-server (without worknet)

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

|     | pkts | bytes | target | prot | opt | in | out  | source    | destination   |
|-----|------|-------|--------|------|-----|----|------|-----------|---------------|
| 291 | 0    | 0     | SNAT   | all  | --  | *  | eth0 | 0.0.0.0/0 | to:10.128.0.2 |
| 292 | 0    | 0     | SNAT   | all  | --  | *  | eth2 | 0.0.0.0/0 | to:10.0.0.1   |



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FIG. 3A

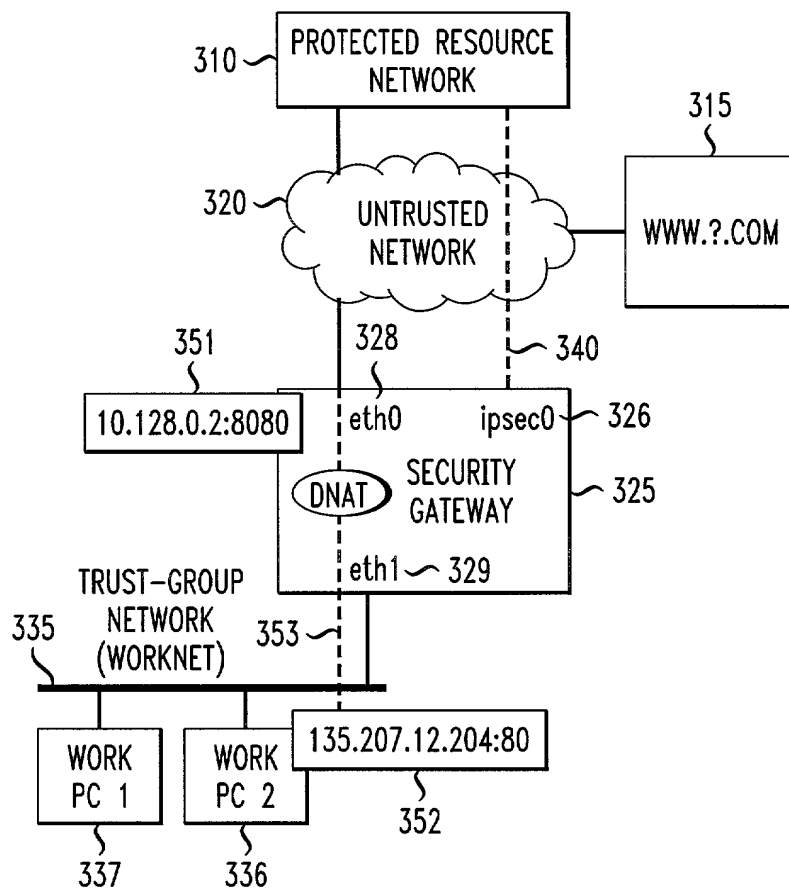
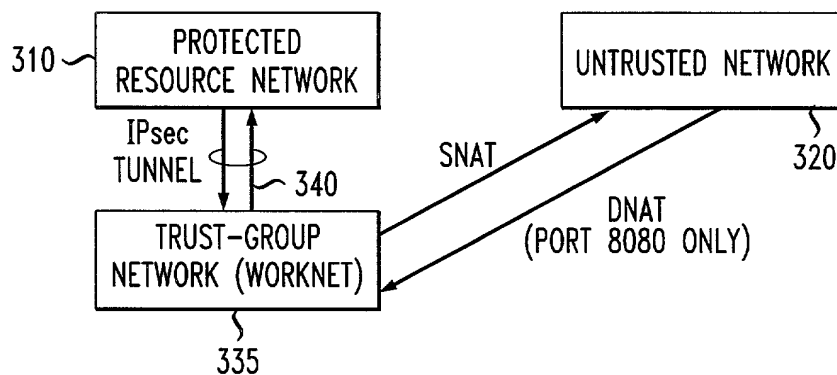


FIG. 3B



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*FIG. 3C*360

|   |       |        |      |     |        |     |                    |                   |                |
|---|-------|--------|------|-----|--------|-----|--------------------|-------------------|----------------|
| worknet plus web server                           |       |        |      |     |        |     |                    |                   |                |
| Chain PREROUTING (policy DROP 0 packets, 0 bytes) |       |        |      |     |        |     |                    |                   |                |
| pkts  | bytes | target | prot | opt | in     | out | source             | destination       |                |
| 0   | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 25   |
| 0   | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 25   |
| 0   | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 53   |
| 0   | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 53   |
| 0   | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 6010 |
| 0   | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 6010 |
| 0   | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | udp dpt : 53   |
| 0   | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | udp dpt : 53   |
| 0   | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | udp dpt : 1025 |
| 0   | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | udp dpt : 1025 |
| 371 ~ 0   | 0     | ACCEPT | all  | --  | lo     | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 0   | 0     | DROP   | all  | --  | eth1   | *   | !135.207.12.200/29 | 0.0.0.0/0         |                |
| 372 { 0   | 0     | DROP   | all  | --  | eth1   | *   | 0.0.0.0/0          | 10.128.0.2        |                |
| 0   | 0     | ACCEPT | all  | --  | eth1   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 373 { 0   | 0     | ACCEPT | all  | --  | ipsec0 | *   | 135.0.0.0/8        | 135.207.12.200/29 |                |
| 0   | 0     | DROP   | all  | --  | ipsec0 | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 0   | 0     | DROP   | all  | --  | eth0   | *   | 0.0.0.0/0          | !10.128.0.2       |                |
| 374 { 0   | 0     | DNAT   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 8080 |
| to:135.207.12.204:80                              |       |        |      |     |        |     |                    |                   |                |
| 0   | 0     | ACCEPT | all  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 375 ~ 0   | 0     | DROP   | all  | --  | *      | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |

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*FIG. 3D*380

worknet plus web server

---- Routing rules:

381 { 0: from all lookup local  
 500: from all iif eth1 lookup from.work.ifc  
 500: from all iif lo lookup from.this.host  
 32766: from all lookup main  
 32767: from all lookup default

---- Main routing table (main) :

382 { 135.207.12.200/29 dev eth1 scope link src 135.207.12.201  
 10.128.0.0/24 dev eth0 scope link  
 127.0.0.0/8 dev lo scope link  
 default via 10.128.0.1 dev eth0 src 10.128.0.2

---- Routing for packets from work\_ifc to tunnel ( from.work.ifc ) :

383 { blackhole 135.207.12.200/29  
 135.0.0.0/8 dev ipsec0 scope link

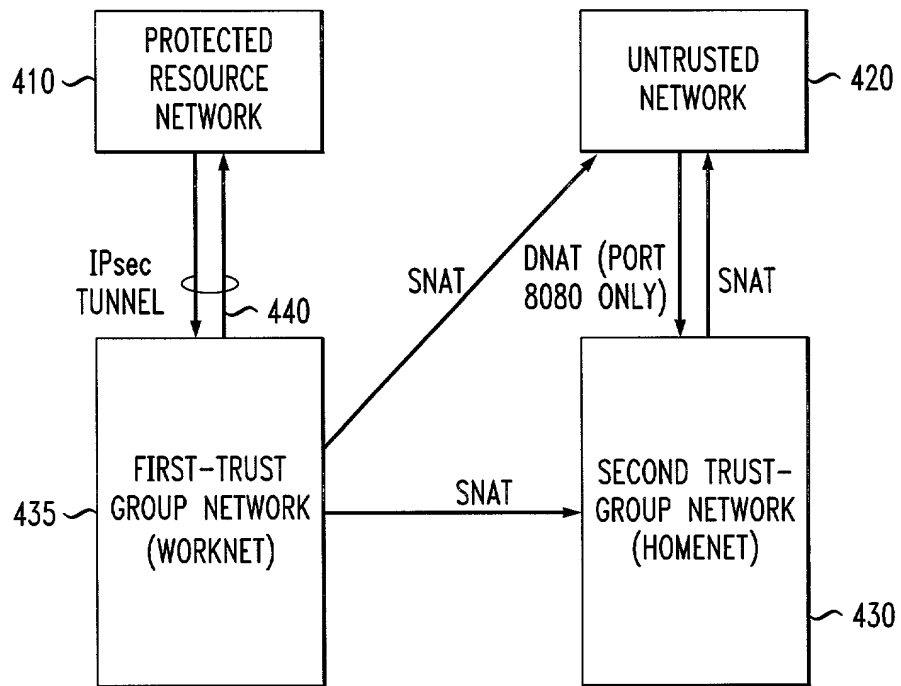
---- Routing for packets from localhost to tunnel ( from.this.host ) :

384 { 135.207.12.200/29 dev eth1 scope link src 135.207.12.201  
 135.0.0.0/8 dev ispec0 scope link src 135.207.12.201

| pkts          | bytes | target | prot | opt | in | out  | source    | destination |
|---------------|-------|--------|------|-----|----|------|-----------|-------------|
| 391           | 0     | SNAT   | all  | --  | *  | eth0 | 0.0.0.0/0 | 0.0.0.0/0   |
| to:10.128.0.2 |       |        |      |     |    |      |           |             |

to:10.128.0.2

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*FIG. 4B*

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FIG. 4C

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| worknet/homenet/web-server                        |       |        |      |     |        |     |                    |                   |                |
|---|-------|--------|------|-----|--------|-----|--------------------|-------------------|----------------|
| Chain PREROUTING (policy DROP 0 packets, 0 bytes) |       |        |      |     |        |     |                    |                   |                |
| pkts  | bytes | target | prot | opt | in     | out | source             | destination       |                |
| 470   | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 25   |
|   | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 25   |
|   | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 53   |
|   | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 53   |
| 471   | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 6010 |
|   | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | tcp dpt : 6010 |
|   | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | udp dpt : 53   |
|   | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | udp dpt : 53   |
| 472   | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | udp dpt : 1025 |
|   | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201    | udp dpt : 1025 |
|   | 0     | ACCEPT | all  | --  | lo     | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
|   | 0     | DROP   | all  | --  | eth1   | *   | !135.207.12.200/29 | 0.0.0.0/0         |                |
| 473   | 0     | DROP   | all  | --  | eth1   | *   | 0.0.0.0/0          | 10.128.0.2        |                |
|   | 0     | ACCEPT | all  | --  | eth1   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
|   | 0     | DROP   | all  | --  | eth2   | *   | !10.0.0.0/9        | 0.0.0.0/0         |                |
|   | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 10.128.0.2        |                |
| 474   | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 135.207.12.200/29 |                |
|   | 0     | ACCEPT | all  | --  | eth2   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
|   | 0     | ACCEPT | all  | --  | ipsec0 | *   | 135.0.0.0/8        | 135.207.12.200/29 |                |
|   | 0     | DROP   | all  | --  | ipsec0 | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
| 475   | 0     | DROP   | all  | --  | eth0   | *   | 0.0.0.0/0          | !10.128.0.2       |                |
|   | 0     | DNAT   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         | tcp dpt : 8080 |
|   | 0     | ACCEPT | all  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |
|   | 0     | DROP   | all  | --  | *      | *   | 0.0.0.0/0          | 0.0.0.0/0         |                |

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*FIG. 4D*480

worknet/homenet/web-server

---- Routing rules:

0: from all lookup local

500: from all iif eth1 lookup from.work.ifc

500: from all iif lo lookup from.this.host

32766: from all lookup main

32767: from all lookup default

---- Main routing table (main) :

135.207.12.200/29 dev eth1 scope link src 135.207.12.201

10.128.0.0/24 dev eth0 scope link

10.0.0.0/9 dev eth2 scope link src 10.0.0.1

127.0.0.0/8 dev lo scope link

default via 10.128.0.1 dev eth0 src 10.128.0.2

---- Routing for packets from work\_ifc to tunnel ( from.work.ifc ) :

blackhole 135.207.12.200/29

135.0.0.0/8 dev ipsec0 scope link

---- Routing for packets from localhost to tunnel ( from.this.host ) :

135.207.12.200/29 dev eth1 scope link src 135.207.12.201

135.0.0.0/8 dev ipsec0 scope link src 135.207.12.201

FIG. 4E

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worknet/homenet/web-server

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

| pkts | bytes | target | prot | opt | in | out  | source    | destination   |
|------|-------|--------|------|-----|----|------|-----------|---------------|
| 0    | 0     | SNAT   | all  | --  | *  | eth0 | 0.0.0.0/0 | to:10.128.0.2 |
| 0    | 0     | SNAT   | all  | --  | *  | eth2 | 0.0.0.0/0 | to:10.0.0.1   |



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FIG. 5A

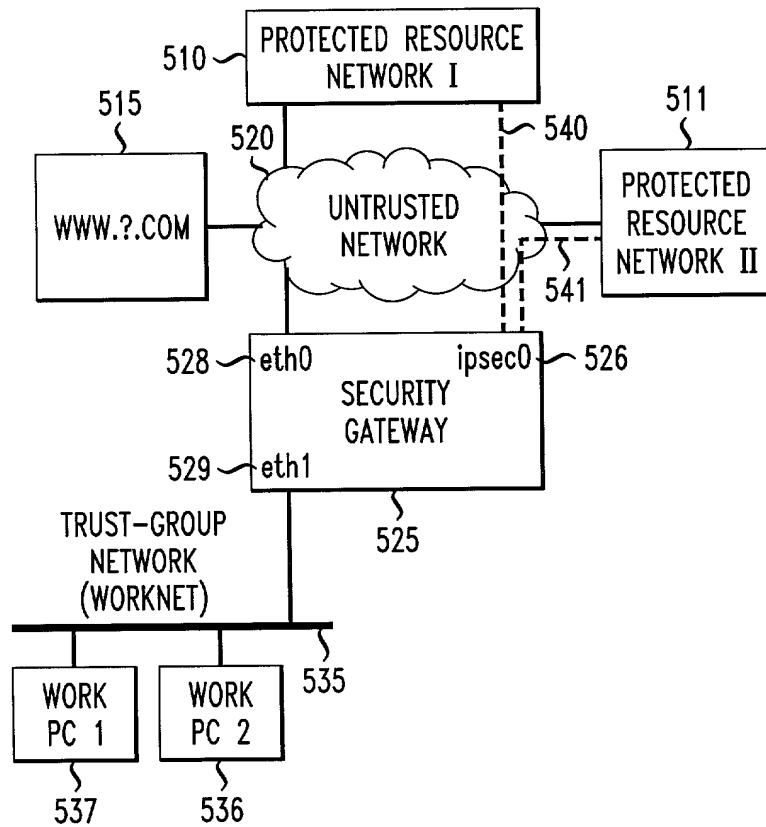
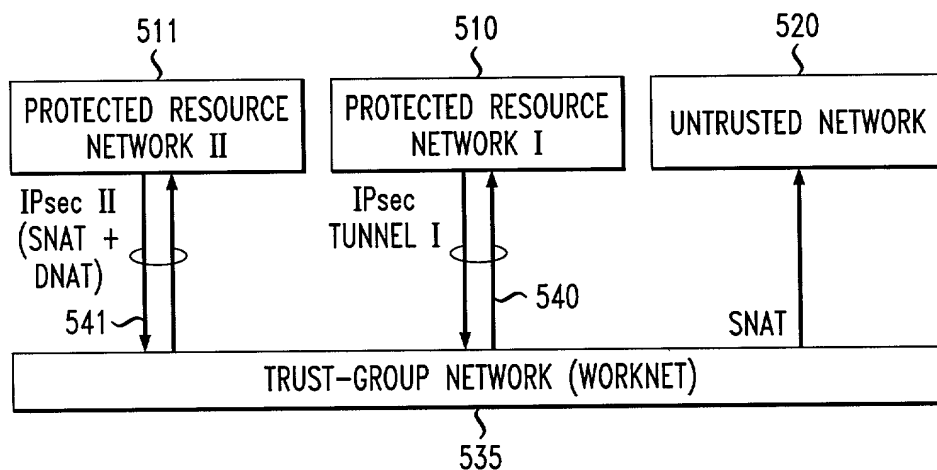


FIG. 5B



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*FIG. 5D*580

worknet/consultant without homenet

```

----- Routing rules:
581 { 0:    from all lookup local
      500:  from all iif eth1 lookup from.work.ifc
      500:  from all iif lo lookup from.this.host
      32766: from all lookup main
      32767: from all lookup default
----- Main routing table (main) :
582 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
583 { 136.0.0.0/8 dev ipsec0  scope link
      blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
584 { 136.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
      135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201

```

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FIG. 6A

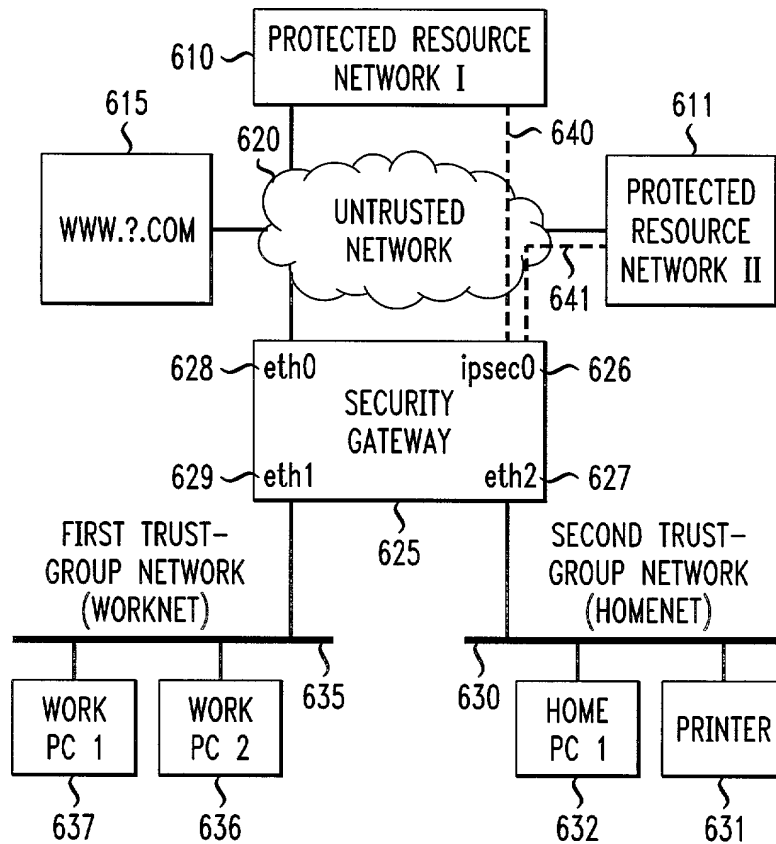
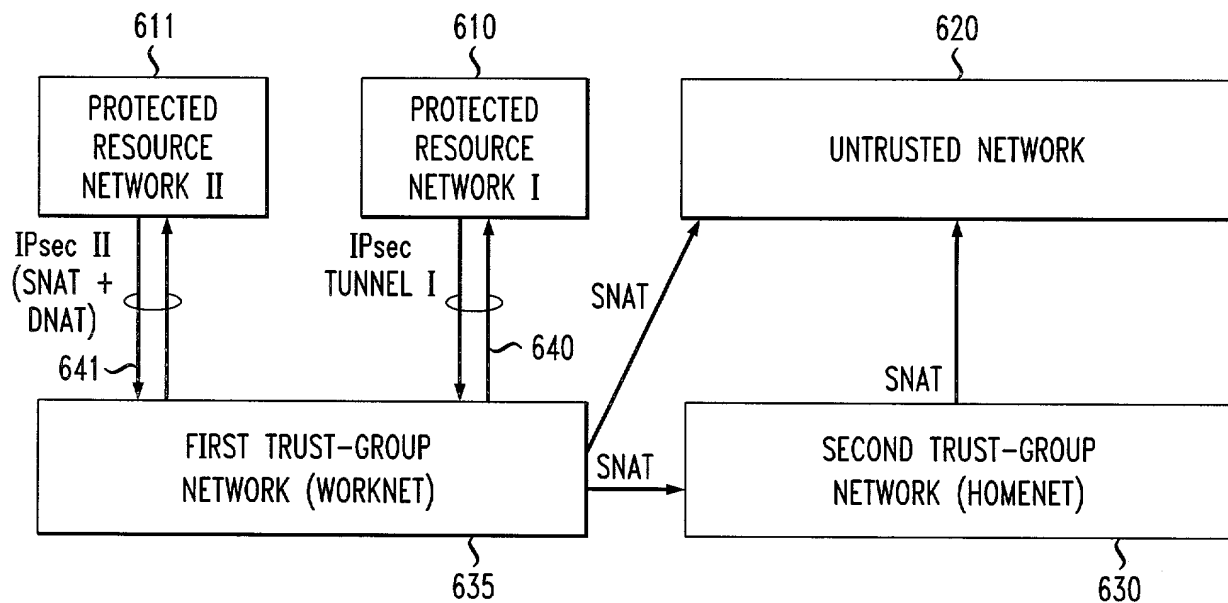


FIG. 6B



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FIG. 6C

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worknet/homenet/consultant

Chain PREROUTING (policy DROP 0 packets, 0 bytes)

| pkts | bytes | target | prot | opt | in     | out | source             | destination                   |                |
|------|-------|--------|------|-----|--------|-----|--------------------|-------------------------------|----------------|
| 0    | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0                     | tcp dpt : 25   |
| 0    | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201                | tcp dpt : 25   |
| 0    | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0                     | tcp dpt : 53   |
| 0    | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201                | tcp dpt : 53   |
| 0    | 0     | DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0                     | tcp dpt : 6010 |
| 0    | 0     | DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201                | tcp dpt : 6010 |
| 0    | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0                     | udp dpt : 53   |
| 0    | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201                | udp dpt : 53   |
| 0    | 0     | DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0                     | udp dpt : 1025 |
| 0    | 0     | DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201                | udp dpt : 1025 |
| 0    | 0     | ACCEPT | all  | --  | lo     | *   | 0.0.0.0/0          | 0.0.0.0/0                     |                |
| 0    | 0     | DROP   | all  | --  | eth1   | *   | !135.207.12.200/29 | 0.0.0.0/0                     |                |
| 0    | 0     | DROP   | all  | --  | eth1   | *   | 0.0.0.0/0          | 10.128.0.2                    |                |
| 0    | 0     | ACCEPT | all  | --  | eth1   | *   | 0.0.0.0/0          | 0.0.0.0/0                     |                |
| 0    | 0     | DROP   | all  | --  | eth2   | *   | !10.0.0.0/9        | 0.0.0.0/0                     |                |
| 0    | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 10.128.0.2                    |                |
| 0    | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 135.207.12.200/29             |                |
| 0    | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 136.0.0.203                   |                |
| 0    | 0     | DROP   | all  | --  | eth2   | *   | 0.0.0.0/0          | 136.0.0.201                   |                |
| 0    | 0     | ACCEPT | all  | --  | eth2   | *   | 0.0.0.0/0          | 0.0.0.0/0                     |                |
| 0    | 0     | DNAT   | all  | --  | ipsec0 | *   | 136.0.0.0/8        | 136.0.0.203 to:235.207.12.203 |                |
| 0    | 0     | DNAT   | all  | --  | ipsec0 | *   | 136.0.0.0/8        | 136.0.0.201 to:135.207.12.201 |                |
| 0    | 0     | ACCEPT | all  | --  | ipsec0 | *   | 135.0.0.0/8        | 135.207.12.200/29             |                |
| 0    | 0     | DROP   | all  | --  | ipsec0 | *   | 0.0.0.0/0          | 0.0.0.0/0                     |                |
| 0    | 0     | DROP   | all  | --  | eth0   | *   | 0.0.0.0/0          | !10.128.0.2                   |                |
| 0    | 0     | ACCEPT | all  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0                     |                |
| 0    | 0     | DROP   | all  | --  | *      | *   | 0.0.0.0/0          | 0.0.0.0/0                     |                |

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*FIG. 6D*680

worknet/homenet consultant

```

----- Routing rules:
681 { 0:      from all lookup local
      500:    from all iif eth1 lookup from.work.ifc
      500:    from all iif lo lookup from.this.host
      32766:   from all lookup main
      32767:   from all lookup default
----- Main routing table (main) :
682 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth0  scope link
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
683 { 136.0.0.0/8 dev ipsec0  scope link
      blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
684 { 136.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
      135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201

```

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*FIG. 6E*690

worknet/homenet/consultant

Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)

| pkts    | bytes | target | prot | opt | in | out  | source         | destination    |
|---------|-------|--------|------|-----|----|------|----------------|----------------|
| 691 ~ 0 | 0     | SNAT   | all  | --  | *  | eth0 | 0.0.0.0/0      | to:10.128.0.2  |
| 692 ~ 0 | 0     | SNAT   | all  | --  | *  | eth2 | 0.0.0.0/0      | to:10.0.0.1    |
| 693 ~ 0 | 0     | SNAT   | all  | --  | *  | *    | 135.207.12.203 | to:136.0.0.203 |
| 694 ~ 0 | 0     | SNAT   | all  | --  | *  | *    | 135.207.12.201 | to:136.0.0.201 |

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FIG. 7A

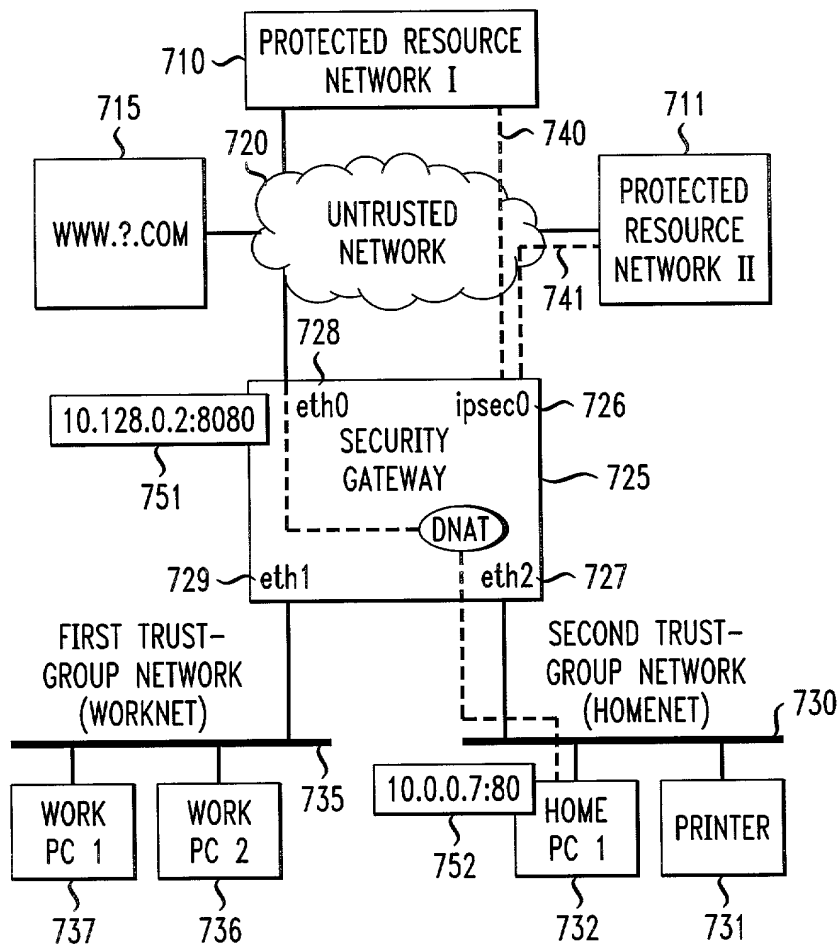
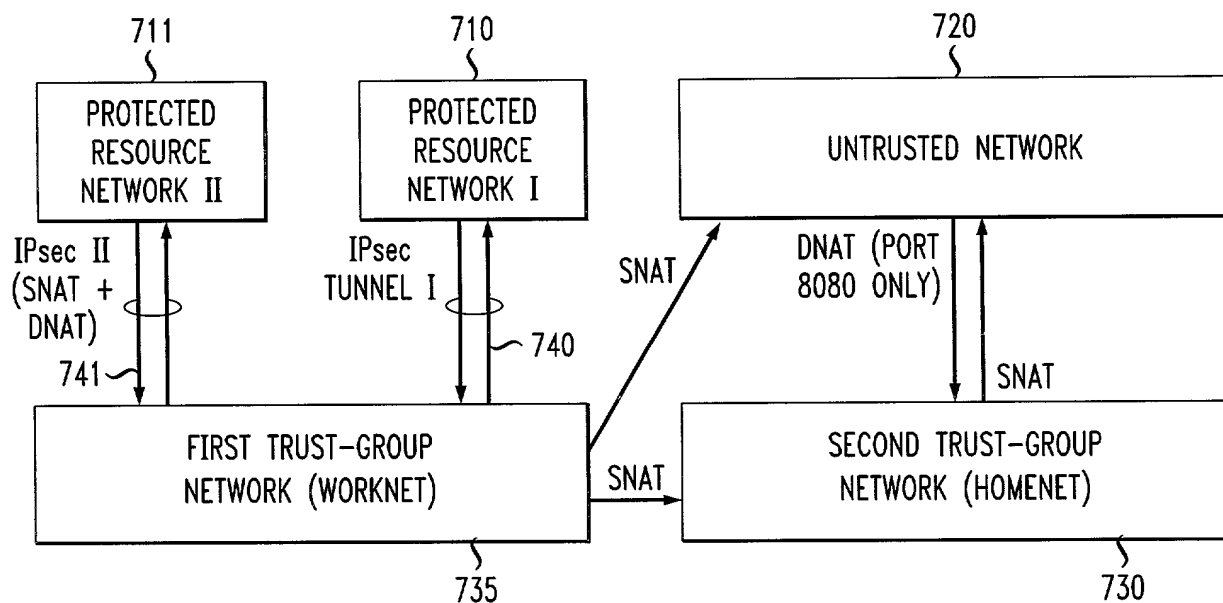


FIG. 7B



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FIG. 7C

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| worknet/homenet/web-server/consult                |       |          |      |     |        |     |                    |                |                |
|---|-------|----------|------|-----|--------|-----|--------------------|----------------|----------------|
| Chain PREROUTING (policy DROP 0 packets, 0 bytes) |       |          |      |     |        |     |                    |                |                |
| pkts  | bytes | target   | prot | opt | in     | out | source             | destination    |                |
| 770   | 0     | 0 DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0      | tcp dpt : 25   |
|   | 0     | 0 DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201 | tcp dpt : 25   |
|   | 0     | 0 DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0      | tcp dpt : 53   |
|   | 0     | 0 DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201 | tcp dpt : 53   |
|   | 0     | 0 DROP   | tcp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0      | tcp dpt : 6010 |
|   | 0     | 0 DROP   | tcp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201 | tcp dpt : 6010 |
|   | 0     | 0 DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0      | udp dpt : 53   |
|   | 0     | 0 DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201 | udp dpt : 53   |
|   | 0     | 0 DROP   | udp  | --  | eth0   | *   | 0.0.0.0/0          | 0.0.0.0/0      | udp dpt : 1025 |
|   | 0     | 0 DROP   | udp  | --  | ipsec0 | *   | 0.0.0.0/0          | 135.207.12.201 | udp dpt : 1025 |
| 771   | 0     | 0 ACCEPT | all  | --  | lo     | *   | 0.0.0.0/0          | 0.0.0.0/0      |                |
| 772   | 0     | 0 DROP   | all  | --  | eth1   | *   | !135.207.12.200/29 | 0.0.0.0/0      |                |
|   | 0     | 0 DROP   | all  | --  | eth1   | *   | 0.0.0.0/0          | 10.128.0.2     |                |
|   | 0     | 0 ACCEPT | all  | --  | eth1   | *   | 0.0.0.0/0          | 0.0.0.0/0      |                |



[illegible]

|     |   |                |      |        |     |        |      |             |                   |
|-----|---|----------------|------|--------|-----|--------|------|-------------|-------------------|
| 773 | { | 0              | DROP | all    | --  | eth2   | *    | !10.0.0.0/9 | 0.0.0.0/0         |
|     |   |                |      |        |     | eth2   | *    | 0.0.0.0/0   | 10.128.0.2        |
|     |   |                |      |        |     | eth2   | *    | 0.0.0.0/0   | 135.207.12.200/29 |
|     |   |                |      |        |     | eth2   | *    | 0.0.0.0/0   | 136.0.0.203       |
|     |   |                |      |        |     | eth2   | *    | 0.0.0.0/0   | 136.0.0.201       |
|     |   |                |      |        |     | eth2   | *    | 0.0.0.0/0   | 0.0.0.0/0         |
|     |   |                |      |        |     | ipsec0 | *    | 136.0.0.0/8 | to:235.207.12.203 |
|     |   |                |      |        |     | ipsec0 | *    | 136.0.0.0/8 | to:135.207.12.201 |
|     |   |                |      |        |     | ipsec0 | *    | 135.0.0.0/8 | 135.207.12.200/29 |
|     |   |                |      |        |     | ipsec0 | *    | 0.0.0.0/0   | 0.0.0.0/0         |
|     |   |                |      |        |     | eth0   | *    | 0.0.0.0/0   | !10.128.0.2       |
|     |   |                |      |        |     | eth0   | *    | 0.0.0.0/0   | 0.0.0.0/0         |
| 775 | { | to:10.0.0.7:80 | 0    | ACCEPT | all | --     | eth0 | *           | 0.0.0.0/0         |
|     |   |                |      |        |     |        | *    | *           | 0.0.0.0/0         |
| 776 | ~ | 0              | DROP | all    | --  |        |      |             |                   |

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*FIG. 7D*780

worknet/homenet/web-server/consult

```

----- Routing rules:
781 { 0:      from all lookup local
      500:    from all iif eth1 lookup from.work.ifc
      500:    from all iif lo lookup from.this.host
      32766:   from all lookup main
      32767:   from all lookup default
----- Main routing table (main) :
782 { 135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      10.128.0.0/24 dev eth0  scope link
      10.0.0.0/9 dev eth0  scope link  src 10.0.0.1
      127.0.0.0/8 dev lo  scope link
      default via 10.128.0.1 dev eth0  src 10.128.0.2
----- Routing for packets from work_ifc to tunnel ( from.work.ifc ) :
783 { 136.0.0.0/8 dev ipsec0  scope link
      blackhole 135.207.12.200/29
      135.0.0.0/8 dev ipsec0  scope link
----- Routing for packets from localhost to tunnel ( from.this.host ) :
784 { 136.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201
      135.207.12.200/29 dev eth1  scope link  src 135.207.12.201
      135.0.0.0/8 dev ipsec0  scope link  src 135.207.12.201

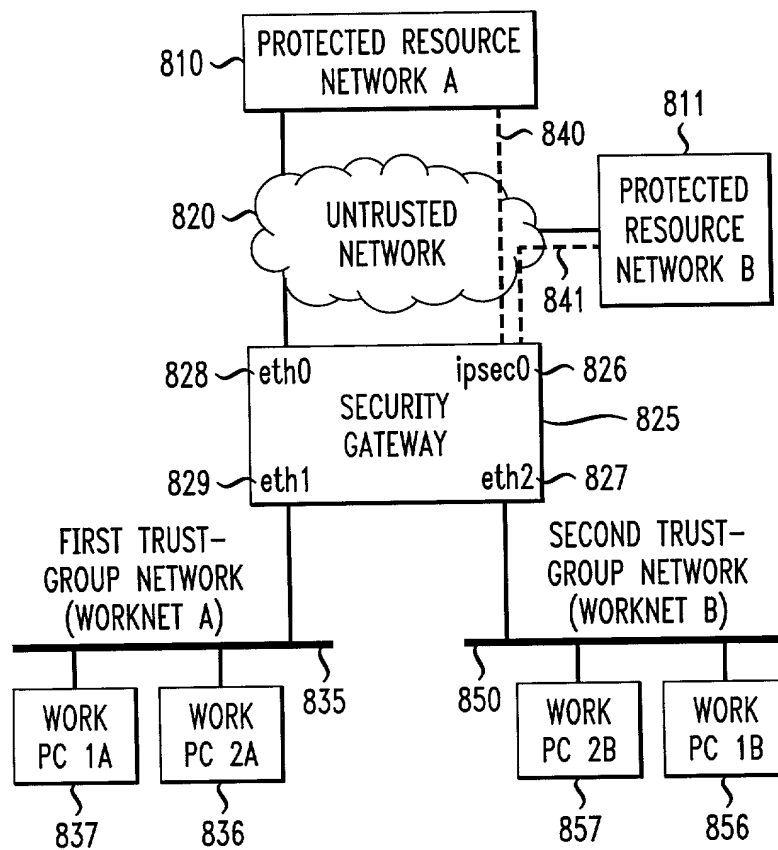
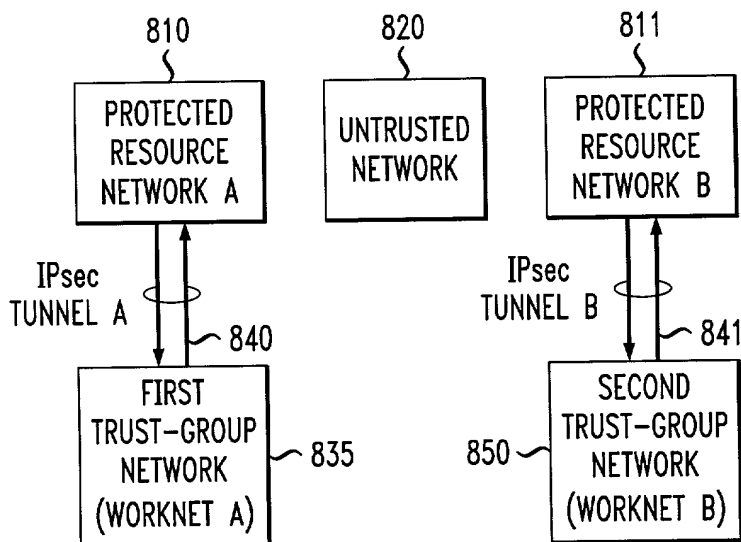
```

attest to the truth of the foregoing

FIG. 7E  
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|  |      |       |        |      |     |    |      |                |                |
|--|------|-------|--------|------|-----|----|------|----------------|----------------|
| worknet/homenet/web-server/consult                   |      |       |        |      |     |    |      |                |                |
| Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes) |      |       |        |      |     |    |      |                |                |
| 791  | pkts | bytes | target | prot | opt | in | out  | source         | destination    |
| 791  | ~0   | 0     | SNAT   | all  | --  | *  | eth0 | 0.0.0.0/0      | to:10.128.0.2  |
| 792  | ~0   | 0     | SNAT   | all  | --  | *  | eth2 | 0.0.0.0/0      | to:10.0.0.1    |
| 793  | ~0   | 0     | SNAT   | all  | --  | *  | *    | 135.207.12.203 | to:136.0.0.203 |
| 794  | ~0   | 0     | SNAT   | all  | --  | *  | *    | 135.207.12.201 | to:136.0.0.201 |

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*FIG. 8A**FIG. 8B*

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FIG. 9A

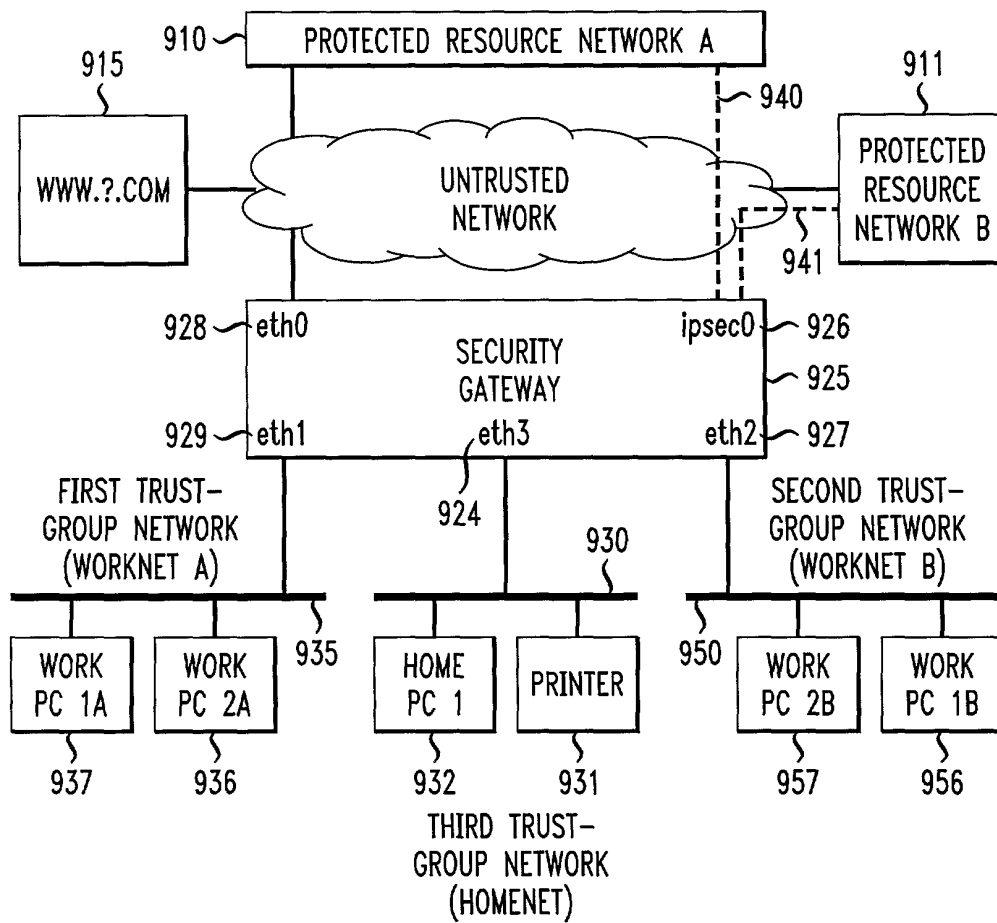
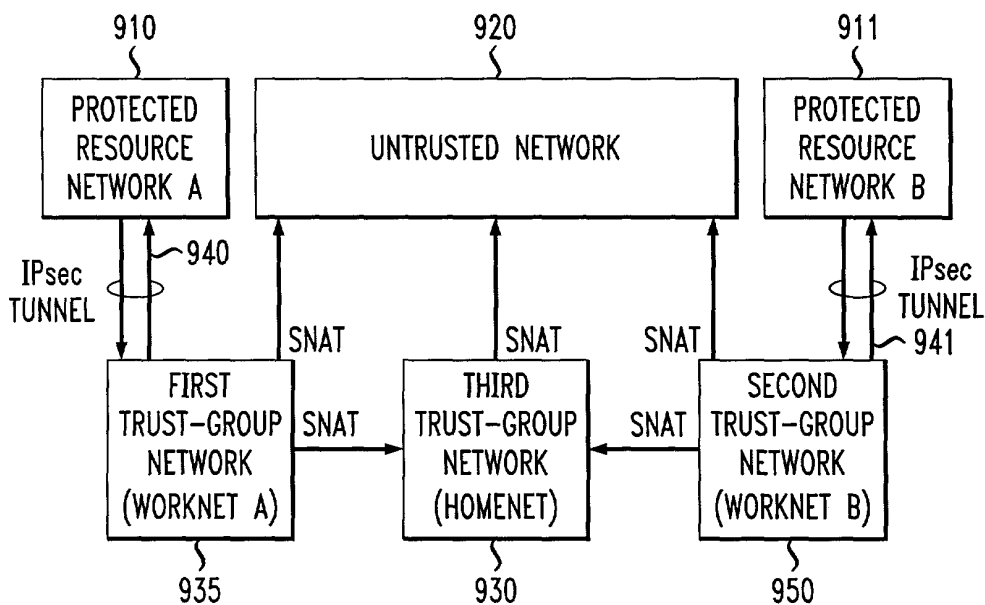


FIG. 9B



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FIG. 10

